

## **B) AMENDMENTS TO THE SPECIFICATION**

Please replace the paragraph beginning at page 7, line 2 with the following rewritten and amended paragraph:

Fig. 1 is a diagram showing an exemplary system dedicated to dental application applications.

Please replace the paragraph beginning at page 7, line 4 with the following rewritten and amended paragraph:

Fig. 2 is; is a block diagram of the Cinematic Assembly system.

Please replace the paragraph beginning at page 7, line 5 with the following rewritten and amended paragraph:

Fig. 3 is; is a schematic diagram of a control system for the present invention.

Please replace the paragraph beginning at page 7, line 6 with the following rewritten and amended paragraph:

Fig. 4 is; Figs. 4, 4a and 4b are diagrams of different embodiments of the present invention substituting an x-ray imager for conventional radiographic film.

Please replace the paragraph beginning at page 7, line 7 with the following rewritten and amended paragraph:

Fig. 5, 5a, 5b, 5a', 5b' are; Figs. 5, 5a, 5b, 5C and 5D are diagrams of different embodiments of the present invention for horizontal scanning movement of the x-ray source and the primary x-ray collimator.

Please replace the paragraph beginning at page 7, line 8 with the following rewritten and amended paragraph:

Fig. 6, 6a, 6b, 6a', 6b' are; Figs. 6, 6a, 6b, 6C and 6D are diagrams of different embodiments of the present invention for horizontal scanning movement of the primary x-ray collimator.

Please replace the paragraph beginning at page 7, line 9 with the following rewritten and amended paragraph:

Fig. 7, 7a, 7b, 7a', 7b' are; Figs. 7, 7a, 7b, and 7c are diagrams of different embodiments of the present invention for vertical scanning movement of the x-ray source and the primary x-ray collimator.

Please replace the paragraph beginning at page 7, line 10 with the following rewritten and amended paragraph:

Fig. 8, 8a, 8b, 8a', 8b' are; Figs. 8, 8a, and 8b are diagrams of different embodiments of the present invention for vertical scanning movement of the primary x-ray collimator.

Please replace the paragraph beginning at page 13, line 21 with the following rewritten and amended paragraph:

In Fig. 5, 5a, 5b, 5a', 5b' 5C, 5D arrangements are shown where the Real-Time Digital Cephalography is implemented by a scanning process in the horizontal direction achieved by a movement of the x-ray source 11, using a narrow x-ray beam and a linear shaped x-ray imager having an active area of a length approximately corresponding to the minimum useful height height of the x-ray field size at the film plane used in Conventional Cephalography.

Please replace the paragraph beginning at page 15, line 18 with the following rewritten and amended paragraph:

In the alternative arrangements of Fig. 5a, 5b, 5a', 5b', 5C, 5D, the x-ray imager 7 can be relocated from Cephalography to Panoramic Radiography, Scannography and Linear

Tomography. In this way the x-ray imager 7 takes the position and replaces the x-ray imager 6, so achieving a remarkable reduction of the system cost.

Please replace the paragraph beginning at page 17, line 7 with the following rewritten and amended paragraph:

In Fig.-5a<sup>2</sup> 5C an arrangement is illustrated where the x-ray source 11, the primary collimator 5, and the x-ray imager 7 are simultaneously and linearly moved in the Y direction, by acting on the Y axis under microcomputer control during the scanning sequence.

Please replace the paragraph beginning at page 17, line 19 with the following rewritten and amended paragraph:

In Fig.-5b<sup>2</sup> 5D an arrangement is illustrated where the x-ray source 11, the primary collimator 5, and the x-ray imager 7 are moved linearly in the Y direction, by acting on the Y axis under microcomputer control during the scanning sequence.

Please replace the paragraph beginning at page 18, line 9 with the following rewritten and amended paragraph:

In Fig. 6, 6a, 6b, 6a', 6b', 6C, 6D arrangements are shown where the Real-Time Digital Cephalography is implemented by a scanning movement in the horizontal direction of the primary x-ray collimator 5, using a narrow x-ray beam and a linear shaped x-ray imager having an active area of a length approximately corresponding to the minimum useful height of the x-ray field size at the film plane used in Conventional Cephalography.

Please replace the paragraph beginning at page 19, line 3 with the following rewritten and amended paragraph:

In the alternative arrangements of Fig. 6a, 6b, 6a', 6b', 6C, 6D, the x-ray imager 7 can be relocated from Cephalography to Panoramic Radiography, Scannography and Linear Tomography. In this way the x-ray imager 7 takes the position and replaces the x-ray imager 6, so achieving a remarkable reduction of the system cost.

Please replace the paragraph beginning at page 20, line 12 with the following rewritten and amended paragraph:

In Fig.-6a' 6C an arrangement is illustrated, where the x-ray source 11 is kept steady, while the primary x-ray collimator 5, the secondary x-ray collimator 8 and the x-ray imager 7 are synchronously moved, aligned with the x-ray beam, by using the respective drive axis, 5a, 8a, and 7a, under microcomputer control during the horizontal scanning sequence.

Please replace the paragraph beginning at page 21, line 2 with the following rewritten and amended paragraph:

In Fig.-6b' 6D an arrangement is illustrated, where the x-ray source 11 is kept steady, while the primary x-ray collimator 5, the secondary x-ray collimator 8 and the x-ray imager 7 are synchronously moved, aligned with the x-ray beam, by using the respective drive axis, 5a, 8a, and 7a, under microcomputer control during the horizontal scanning sequence.

Please replace the paragraph beginning at page 27, line 15 with the following rewritten and amended paragraph:

In the alternative arrangements of Fig. 9a, 9b, 9a', 9b', 9C, 9D the x-ray imager 7 can be relocated from Cephalography to Panoramic Radiography, Scannography and Linear Tomography. In this way the x-ray imager 7 takes the position and replaces the x-ray imager 6, so achieving a remarkable reduction of the system cost.

Please replace the paragraph beginning at page 29, line 2 with the following rewritten and amended paragraph:

In Fig.-9a' 9C an arrangement is illustrated, where the x-ray source 11 is kept steady, while the primary x-ray collimator 5, the secondary x-ray collimator 8 and the x-ray imager 7 are synchronously moved, aligned with the x-ray beam, by using the respective drive axis, 5a, 8a, and 7a, under microcomputer control during the rotational scanning sequence.

Please replace the paragraph beginning at page 29, line 12 with the following rewritten and amended paragraph:

In Fig.-9b' 9D an arrangement is illustrated, where the x-ray source 11 is kept steady, while the primary x-ray collimator 5, the secondary x-ray collimator 8 and the x-ray imager 7 are synchronously moved, aligned with the x-ray beam, by using the respective drive axis, 5a, 8a, and 7a, under microcomputer control during the rotational scanning sequence.

Please add the following two (2) new paragraphs after the paragraph beginning and ending on page 7, line 10 and before the DETAILED DESCRIPTION section:

--Figs. 9, 9a, 9b, 9C and 9D are diagrams of different embodiments of the present invention for rotational scanning movement of the primary x-ray collimator.

Wherever possible, the same reference numbers will be used throughout the drawings to refer to the same or like parts---